EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L15	69664	(FMCW or CWFM or FM-CW or CW-FM or ((frequency adj (modulated or modulating or modulation)) or frequency-modulated))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 06:05
L16	91031	radar	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L17	6693	L15 and L16	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L18	3188402	(((collision or collide or colliding) same (avoid or avoiding or avoidance)) or CAS)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L19	1802	L17 and L18	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L20	799524	(overhead or overbridge or bridge)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L21	1484574	(height)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L22	683718	(obstacle or obstruction or danger or dangerous)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26

EAST Search History

L23	18206	L20 and L21 and L22	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L24	129	L19 and L23	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L25	57882	(VCO or (voltage adj controlled adj oscillator))	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:26
L26	3	L24 and L25 and @ad<="20040424" and @pd>="20051013"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:41
L27	1832	((342/70-72) or (342/123) or (342/455)).CCLS.	US-PGPUB; USPAT; USOCR	OR	OFF	2006/06/12 05:40
L28	1832	L27	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:40
L29	38	28 and @ad<="20040424" and @pd>="20051013"	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/12 05:41
L30	0	((FMCW or CWFM or FM-CW or CW-FM or ((frequency adj (modulated or modulating or modulation)) or frequency-modulated)) and radar and (((collision or collide or colliding) same (avoid or avoiding or avoidance)) or CAS) and (overhead or overbridge or bridge) and height and (obstacle or obstruction or danger or dangerous) and (VCO or (voltage adj controlled adj oscillator))).clm.	US-PGPUB	OR	ON	2006/06/12 06:07

EAST Search History

L31	3	((FMCW or CWFM or FM-CW or CW-FM or ((frequency adj (modulated or modulating or modulation)) or frequency-modulated)) and radar and (((collision or collide or colliding) same (avoid or avoiding or avoidance)) or CAS)).clm.	US-PGPUB	OR	ON	2006/06/12 06:07

SEARCH NOTES FOR EAST AND IEEE AND INSPEC AND IP.COM

SERIAL NUMBER 10762088

EAST SEARCH

EAST: search history attached

IEEE SEARCH

Mon, 12 Jun 2006, 5:30:25 AM EST

Recent Search Queries		Results
#1	(((((fmcw or cwfm or fm-cw or cw-fm or ((frequency and (modulated or modulating or modulation)) or frequency-modulated)) and radar)<in>metadata))<and>((fmcw or cwfm or fm-cw or cw-fm or ((frequency and (modulated or modulating or modulation)) or frequency-modulated)) and radar and (((collision or collide or colliding) and (avoid or avoiding or avoidance)) or cas)<in>metadata))	13

1. **Vehicle collision warning and avoidance system using real-time FFT**
   Flikkema, P.G.; Johnson, S.G.
   Vehicular Technology Conference, 1996. 'Mobile Technology for the Human Race'., IEEE 46th
   Volume 3, 28 Apr-1 May 1996 Page(s):1820 - 1824 vol.3
2. **Homodyne FMCW radar range resolution effects with sinusoidal nonlinearities in the frequency sweep**
   Piper, S.O.
   Radar Conference, 1995., Record of the IEEE 1995 International
   8-11 May 1995 Page(s):563 - 567
3. **Monopulse Doppler radar for vehicle applications**
   Woll, J.D.
   Intelligent Vehicles '95 Symposium., Proceedings of the
   25-26 Sep 1995 Page(s):42 - 47
4. **An FMCW radar sensor for collision avoidance**
   Richardson, D.
   Intelligent Transportation System, 1997. ITSC 97. IEEE Conference on
   9-12 Nov 1997 Page(s):427 - 432
5. **77 GHz MMIC T/R module for diplex radar application in collision avoidance radar (CAR)**
   Mondal, J.; Wong, K.; Richardson, D.; Vu, K.; Peterson, K.; Dietz, G.; Haubenstricker, R.; Calanca, N.; Gluck, L.; Moghe, S.
   Gallium Arsenide Integrated Circuit (GaAs IC) Symposium, 1998. Technical Digest 1998., 20th Annual
   1-4 Nov 1998 Page(s):181 - 184
6. **A front-end of FMCW anticollision radar**
   Jing Chunguang; Yang Xiaobo
   Microwave and Millimeter Wave Technology, 2000, 2nd International Conference on. ICMMT 2000
   2000 Page(s):568 - 571
7. **35 GHz FM-CW radar modules**
   Ligthart, L.P.; Akpinar, U.; Swart, P.J.F.; John, A.; Jansen, R.H.

Physics and Engineering of Millimeter and Sub-Millimeter Waves, 2001. The Fourth International Kharkov Symposium on
Volume 2, 2001 Page(s):841 - 845 vol.2

8. **Dual-Mode Automobile Collision Avoidance RADAR**
   Kaplan, G.S.; Sterzer, F.
   Microwave Symposium Digest, MTT-S International
   Volume 75, Issue 1, May 1975 Page(s): 335 - 337
9. **Integrated object and road border tracking using 77 GHz automotive radars**
   Polychronopoulos, A.; Amditis, A.; Floudas, N.; Lind, H.
   Radar, Sonar and Navigation, IEE Proceedings -
   Volume 151, Issue 6, 10 Dec. 2004 Page(s): 375 - 381
10. **An automotive radar network based on 77 GHz FMCW sensors**
    Folster, F.; Rohling, H.; Lubbert, U.
    Radar Conference, 2005 IEEE International
    9-12 May 2005 Page(s): 871 - 876

INSPEC SEARCH

Search history:

No.	Database	Search term	Info added since	Results	
1	INZZ	(FMCW OR CWFM OR FM-CW OR CW-FM OR frequency AND (modulated OR modulating OR modulation) OR frequency-modulated) AND radar AND ((collision OR collide OR colliding) SAME (avoid OR avoiding OR avoidance) OR CAS)	20051013	53	

DataStar Documents

Improvement of FMCW for automotive collision on correlation theory.

Source

Instrument Techniques and Sensor, {Instrum-Technique-Sens-China}, 2004, no. 10, p. 47-58, 3 refs,
ISSN: 1002-1841. Publisher: Editorial Board of the Instrument Technique and Sensor J, China.

Author(s)

Jin-Hui-long, Zhang-Da-biao.

Integrated object and road border tracking using 77 GHz automotive radars.

Source

IEE **Proceedings**-Radar Sonar and Navigation, **{IEE**-Proc-Radar-Sonar- Navig-UK}, 10 Dec. 2004,
vol. 151, no. 6, p. 375-81, 18 refs, CODEN: IRSNE2, ISSN: 1350-2395. Publisher: IEE, UK.

Author(s)

Polychronopoulos-A, Amditis-A, Floudas-N, Lind-H.

A study on adapting the Zoom FFT algorithm to automotive millimetre wave radar.

Source

Transactions of the Institute of Electrical Engineers of Japan Part D,

{Trans-Inst-Electr-Eng-Jpn-D-Japan}, May 2003, vol. 123-D, no. 5, p. 634-9, 11 refs, CODEN:
DGRDE5, ISSN: 0913-6339. Publisher: Inst. Electr. Eng. Japan, Japan.

Author(s)

Kuroda-H, Takano-K.

Application of time-frequency analysis for radar signal processing in millimeter-wave collision prevention radar system.

Source

Acta Electronica Sinica, {Acta-Electron-Sin-China}, Sept. 2002, vol. 30, no. 9, p. 1413-16, 4 refs,
CODEN: TTHPAG, ISSN: 0372-2112. Publisher: Chinese Inst. Electron, China.

Author(s)

Jin-Chang-ming, Xu-Tao, Sun-Xiao-wei, Xia-Guan-qun, Sheng-Huai-mao, Li-Yu-fang.

Fully MMIC-based front end for FMCW automotive radar at 77 GHz.

Source

GAAS 2000. Conference Proceedings, 2000, p. 4 pp., 4 refs, pp. CD-ROM, ISBN: 0-86213-222-3.
Publisher: Microwave Eng. Eur, London, UK.

Author(s)

Camiade-M, Domnesque-D, Ouarch-Z, Sion-A.

1

Fully MMIC-based front end for FMCW automotive radar at 77 GHz.

Source

30th European Microwave Conference 2000. Conference Proceedings, 2000, vol.1, p. 9-12 vol.1, 4 refs,
pp. 3 vol.(436+402+423), ISBN: 0-86213-212-6. Publisher: Eur. Microwave Assoc, London, UK.

Author(s)

Camiade-M, Domnesque-D, Ouarch-Z, Sion-A.

Construct an FMCW front end for anticollision radar.

Source

Microwaves & RF, {Microw-RF-USA}, Aug. 2001, vol. 40, no. 8, p. 97-102, 0 refs, CODEN: MIRFDL,
ISSN: 0745-2993. Publisher: Penton Publishing, USA.

Author(s)

Xiaobo-Yang, Chunguang-Jing, Tao-Yang.

MM-wave front-end developed within the on-going AWARE/LOCOMOTIVE projects for automotive applications at 77 GHz.

Source

GAAS 99. Conference Proceedings, 1999, p. 6 pp., 2 refs, pp. CD-ROM, ISBN: 0-86213-142-1.
Publisher: Miller Freeman, London, UK.

Author(s)

Camiade-M, Brandeau-J-P, Domnesque-D.

A front-end of FMCW anticollision radar.

Source

ICMMT 2000. 2000 2nd International Conference on Microwave and Millimeter Wave Technology Proceedings (Cat. No.00EX364), 2000, p. 568-71, 5 refs, pp. xxvii+762, ISBN: 0-7803-5743-4.

Publisher: IEEE, Piscataway, NJ, USA.

Author(s)

Jing-Chunguang, Yang-Xiaobo. Editor(s): Feng-Z, zhang-Y.

Multistatic FMCW radar for collision avoidance applications, optimization of the antenna configuration and improvement of the data processing.

Source

29th European Microwave Conference 99. Incorporating MIOP '99. Conference Proceedings, 1999, vol.2,
DataStar Documents
2

p. 13-16 vol.2, 2 refs, pp. 3 vol .(273+434+406), ISBN: 0-86213-152-9. Publisher: Microwave Eng. Eur,
London, UK.

Author(s)

Steenstra-H-T, Muller-F-L, Swart-P-J-F.

35 GHz radar sensor for automotive collision avoidance.

Source

Proceedings of the SPIE - The International Society for Optical Engineering, {Proc-SPIE-Int-Soc-Opt-Eng-USA}, 1999, vol. 3704, p. 183-8, 3 refs, CODEN: PSISDG, ISSN:
0277-786X. Publisher: SPIE-Int. Soc. Opt. Eng, USA.

Author(s)

Zhang-Jun.

Millimeter-wave FMCW radar transceiver/antenna for automotive applications.

Source

Applied Microwave & Wireless, {Appl-Microw-Wirel-USA}, June 1999, vol. 11, no. 6, p. 58, 60, 62, 64,
66, 68, 5 refs, CODEN: AMWIEK, ISSN: 1061-3528. Publisher: Noble Publishing, USA.

Author(s)

Li-D-D, Luo-S-C, Knox-R-M.

Millimeter-wave FMCW/monopulse radar front-end for automotive applications.

Source

1999 IEEE MTT-S International Microwave Symposium Digest (Cat. No.99CH36282), 1999, vol.1, p.
277-80 vol.1, 3 refs, pp. 4 vol.(lix +xviii+xx+xix+1930), ISBN: 0-7803-5135-5. Publisher: IEEE, Piscataway, NJ, USA.

Author(s)

Si-D-D, Luo-S-C, Pero-C, Xiaodong-Wu, Knox-R. Editor(s): Matloubian-M, Ponti-E.

77 GHz MMIC T/R module for diplex radar application in collision avoidance radar (CAR).

Source

GaAs IC Symposium. IEEE Gallium Arsenide Integrated Circuit Symposium. 20th Annual. Technical
Digest 1998 (Cat. No.98CH36260), 1998, p. 181-4, 8 refs, pp. xv+262, ISBN: 0-7803-5049-9. Publisher: IEEE, New York, NY, USA.

Author(s)
Mondal-J, Wong-K, Richardson-D, Vu-K, Peterson-K, Dietz-G, Haubenstricker-R, Calanca-N, Gluck-L, Moghe-S.

DataStar Documents
3

Combining two radar techniques to implement a collision avoidance system.

Source
Measurement Science & Technology, {Meas-Sci-Technol-UK}, Aug. 1998, vol. 9, no. 8, p. 1343-6, 7
refs, CODEN: MSTCEP, ISSN: 0957-0233. Publisher: IOP Publishing, UK.
Author(s)
Rivenq-Menhaj-A, Rouvaen-J-M, Assaad-J, Heddebaut-M, Bruneel-C.

Stepped-FM pulse radar for vehicular collision avoidance.

Source
Transactions of the Institute of Electronics Information and Communication Engineers B-II, {Trans-Inst-Electron-Inf-Commun-Eng-B- II-Japan}, March 1998, vol. J81B-II, no. 3, p. 234-9, 10
refs, CODEN: DTBTEU, ISSN: 0915-1885. Publisher: Inst. Electron. Inf. & Commun. Eng, Japan.
Author(s)
Kajiwara-A.

An FMCW radar sensor for collision avoidance.

Source
IEEE Conference on Intelligent Transportation Systems. ITSC '97 Proceedings (Cat. No.97TH8331),
1997, p. 427-32, 3 refs, pp. xii+1088, ISBN: 0-7803-4269-0. Publisher: IEEE, New York, NY, USA.
Author(s)
Richardson-D.

Collision avoidance radar able to differentiate objects.

Source
27th European Microwave 97 Conference and Exhibition. Bridging the Gap Between Industry and Academia. Conference Proceedings (IEEE Cat. No.97TH8317), 1997, vol.1, p. 45-50 vol.1, 4 refs, pp. 2
vol. 1366. Publisher: ORTRA, Tel Aviv, Israel.
Author(s)
Swart-P-J-F, Nieuwark-L-R.

Signal processing study for an FM CW collision avoidance radar system.

Source
Signal Processing, {Signal-Process-Netherlands}, Aug. 1997, vol. 61, no. 1, p. 83-8, 6 refs, CODEN:
SPRODR, ISSN: 0165-1684. Publisher: Elsevier for EURASIP, Netherlands.
Author(s)
Assaad-J, Menhaj-A, Rouvaen-J-M, Bruneel-C, Deloof-P.
DataStar Documents
4

Vehicle collision warning and avoidance system using real-time FFT.

Source
1996 IEEE 46th Vehicular Technology Conference. Mobile Technology for the Human Race (Cat. No.96CH35894), 1996, vol.3, p. 1820-4 vol.3, 3 refs, pp. 3 vol. xxxix+1887, ISBN: 0-7803-3157-5.
Publisher: IEEE, New York, NY, USA.
Author(s)
Flikkema-P-G, Johnson-S-G.

High performance automotive radar.

Source
Microwaves and RF Conference Proceedings, 1995, p. 117-22, 4 refs, pp. xi+233. Publisher: Nexus
Media, Swanley, UK.
Author(s)
Eriksson-L-H, Back-I, de-Laval-P.

Radar sensors for automotive collision warning and avoidance.

Source
Proceedings of the SPIE - The International Society for Optical Engineering, {Proc-SPIE-Int-Soc-Opt-Eng-USA}, 1995, vol. 2463, p. 239-47, 5 refs, CODEN: PSISDG, ISSN:
0277-786X. Publisher: SPIE-Int. Soc. Opt. Eng, USA.
Author(s)
Grosch-T.

Homodyne FMCW radar range resolution effects with sinusoidal nonlinearities in the frequency sweep.

Source
Record of the IEEE 1995 International **Radar** Conference (Cat. No.95CH-3571-0), 1995, p. 563-7, 4
refs, pp. 794, ISBN: 0-7803-2121-9. Publisher: IEEE, New York, NY, USA.
Author(s)
Piper-S-O.

Monopulse Doppler radar for vehicle applications.

Source
Proceedings of the Intelligent Vehicles '95. Symposium (Cat. No.95TH8132), 1995, p. 42-7, 0 refs, pp.
x+537, ISBN: 0-7803-2983-X. Publisher: IEEE, New York, NY, USA.
DataStar Documents
5

Author(s)
Woll-J-D.

FM/CW radar for collision avoidance for off-highway vehicles.

Source
Sixth International Conference on Automotive Electronics (Conf. Publ. No.280), 1987, p. 232-6, 2 refs,
pp. viii+288, ISBN: 0-85296-354-8. Publisher: IEE, London, UK.
Author(s)
Downing-O-J, Love-A-B, Foster-G-M.

Multitarget FM-CW-radar for unambiguous determination of range and Doppler.

Source

Nachrichtentechnische Zeitschrift, {Nachrtech-Z-West-Germany}, March 1977, vol. 30, no. 3, p. 255-60,
4 refs, CODEN: NAZEAA, ISSN: 0027-707X, West Germany.

Author(s)

Raudonat-U, Sautter-E.

DataStar Documents
6

IP.COM SEARCH

No records matched your search.
Perhaps you should try a less restrictive query.

Search query: (FMCW or CWFM or FM-CW or CW-FM or ((frequency and (modulated or modulating or modulation)) or frequency-modulated)) and radar and (((collision or collide or colliding) same (avoid or avoiding or avoidance)) or CAS)

Published After: 10-13-2005 (Original publication date)

PROQUEST SEARCH

1 document found for: *((FMCW OR CWFM OR FM-CW OR CW-FM OR frequency AND (modulated OR modulating OR modulation) OR frequency-modulated)) AND (radar AND ((collision OR collide OR colliding) and (avoid OR avoiding OR avoidance) OR CAS))*

Millimeter-wave oscillators and power-combining arrays for commercial wireless applications
Vaughan, Mark John. **Proquest Dissertations And Theses** 1996. Section 0058, Part 0544 201 pages; [Ph.D. dissertation].United States -- New York: Cornell University; 1996. Publication Number: AAT 9624890.